

15. The method according to claim 12, wherein said synthesis is accomplished in the presence of at least one component selected from the group consisting of one or more nucleotides, and one or more primers.

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16. The method according to claim 12, wherein said template is double stranded nucleic acid molecule.

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17. The method of claim 12, further comprising incubating said one or more first nucleic acid molecules under conditions sufficient to make one or more second nucleic acid molecules complementary to all or a portion of said first nucleic acid molecules.

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18. A nucleic acid molecule made according to the method of claim

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19. A method for amplifying a nucleic acid molecule comprising: mixing at least one nucleic acid inhibitor of claim 1 with one or more enzymes with polymerase activity and one or more templates; and incubating said mixture under conditions sufficient to amplify one or more nucleic acid molecules complementary to all or a portion of said templates.

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20. The method according to claim 19, wherein said mixing is accomplished under conditions sufficient to prevent nucleic acid amplification and/or to allow binding of said nucleic acid inhibitor to said enzyme with polymerase activity.

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21. The method according to claim 19, wherein said amplifying is accomplished under conditions sufficient to denature said nucleic acid inhibitor or reduce the ability of the inhibitor to inhibit amplification.

22. The method according to claim 19, wherein said amplifying is accomplished in the presence of at least one component selected from the group consisting of one or more nucleotides, and one or more primers.

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23. The method according to claim 19, wherein said template is a double stranded nucleic acid molecule.

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24. A nucleic acid molecule made according to the method of claim 19.

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25. A method for sequencing a nucleic acid molecule, comprising:
mixing at least one nucleic acid molecule to be sequenced with one or more nucleic acid inhibitors of claim 1, one or more enzymes having polymerase activity, and one or more terminating agents;

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incubating said mixture under conditions sufficient to synthesize a population of molecules complementary to all or a portion of said molecules to be sequenced; and
separating said population to determine the nucleotide sequence of all or a portion of said molecule to be sequenced.

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26. The method according to claim 25, wherein said mixing is accomplished under conditions sufficient to prevent synthesis and/or to allow binding of said nucleic acid inhibitor to said enzyme with polymerase activity.

27. The method according to claim 25, wherein said synthesis is accomplished under conditions sufficient to denature said nucleic acid inhibitor and/or to reduce the inhibitory affect of said nucleic acid inhibitor.

